

PATENT 717664.10

CERTIFICATE OF EXPRESS MAILING

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE: U.S. ISSUED PATENT

Attorney Docket No. 717664.10

Certificate

APPLICANT: Bishop, William M.

MAR 2 4 2006

U.S. PATENT NUMBER: 6,848,502

of Correction

DATE OF PATENT: February 1, 2005

ISSUING FROM U.S. PATENT APPLICATION NO.: 10/604,947

FOR: METHOD AND APPARATUS FOR WARMING AND STORAGE OF COLD FLUIDS

REQUEST FOR ISSUANCE OF A CERTIFICATE OF CORRECTION

Commissioner for Patents Attn: Certificate of Correction Branch. P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is a Certificate of Correction, in duplicate, in connection with U.S. Patent No. 6,848,502. The errors indicated on the enclosed form are printing errors and it is requested that a Certificate of Correction be issued. The errors made by applicant that are indicated on the enclosed form are typographical in nature and do not change the scope of the invention or constitute new matter. The appropriate fee is included. Applicant requests that a Certificate of Correction be issued.

Date: March 21, 2006

Reg. No. 29,531

Blackwell Sanders Peper Martin LLP

720 Olive Street, 24th Floor St. Louis, Missouri 63101

(314) 345-6000

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PTO/58/17 (12-04)
Approved for use through 07/31/2006. OMB 0651-0032
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<u>E</u> /			Complete if Known
Effective on 12/08/2004 Characteristic to the Consolidated Appropriaions Act. 2005 (H.R. 4818)		Application Number	10/604,947
	Application No. Filing Date	Filing Date	August 28, 2003
FEE IKANSMITTAL		First Named Inventor	Bishop, William M.
for FY 200)5	Examiner Name	LEUNG RICHARD L
Applicant claims small entity status. S	See 37 CFR 1.27	Art Unit	3744
TOTAL AMOUNT OF PAYMENT	(\$) 100.00	Attorney Docket No.	717664.10

Check Credit of	☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please specify):						
Deposit Account Deposit Account Number 11-0160 Deposit Account Name Blackwell Sanders Peper Martin, LLP							
For the above-identified de							
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1. BASIC FILING, SE	ADCH AN	ID EYAMINAT	TON FEE	<u> </u>			
I. DASIC I ILING, SL	FILING		SEARCH		FXAMINA	ATION FEES	
		mall Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fees paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FE	ES						Small Entity
Fee Description							Fee(\$) Fee(\$)
Each claim over 20 or, for							50 25
Each independent claim or		r Reissues, each	ındepender	nt claim more th	an in the origi	inal patent	200 100
Multiple dependent claims Total Claims	Extra (<u>Claims</u> <u>Fee</u>	/ታነ 5	ee Paid (\$)	Multiple De	nondont Claim	360 180
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20 or HP = x = <u>Fee (\$)</u> <u>Fee Paid (\$)</u> HP= highest number of total claims paid for, if greater than 20							
Indep. Claims							
HP= highest number of total claims paid for, if greater than 3							
The highest humber of total claims paid for, it greater than 5							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for							
each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<u>Total Sheets</u> <u>Extra Sheets</u> <u>Number of each additional 50 or fraction thereof</u> <u>Fee (\$)</u> <u>Fee Paid (\$)</u>							
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A OTHER FEE(C)							
4. OTHER FEE(S) Non-English Specification #130 for (no small entitly discount)							
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Signature	O. GOIAM	Registration No. (Attorney/Agent) 29,531	Telephone 314-345-6000
Name (Print/Type)	Lawrence E. Evans		Date //9/Ch A1, 200

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 6,848,502

DATED: February 1, 2005

INVENTOR: William M. Bishop, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Related U.S. Application Data, Item (60), delete "December 9" and replace with - - December 19

Col. 1, line 7, delete "December 9" and replace with - December 19 - ; Col. 17, following the equation, insert the paragraph - Here V is fluid velocity, g is acceleration due to gravity, D is the pipe diameter and γ is the fluid density and $\Delta \gamma$ is the change in fluid density. If F is large, the terms involving stratification in the governing equation of fluid motion dropout of the equation. As a practical example, two-phase flows in enclosed systems generally lose all stratification when the Froude Number rises to a range of from 1 to 2. In the present invention, the value of the Froude Number ranges in the hundreds, which assures complete mixing of any density variations. These high values are assured by the fact that in dense phase flow, the term $\Delta \gamma/\gamma$ in the equation above is small. -

MAILING ADDRESS OF SENDER:

PATENT NO. 6,848,502

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Lawrence E. Evans, Esq. Blackwell Sanders Peper Martin, LLP 720 Olive, 24th Floor St. Louis, MO 63101

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MAR 27 2006: